

THE UNITED SHAYES OF AMERICA

Honeer Hi-Bred International, Inc.

A LOCCAS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED BLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS ARE ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS HERS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY TEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC EPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE CHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT ED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'RJS33001'

In Testimonn Macrest, I have hereunto set my hand and caused the seal of the Minut Muriety Protection Office to be affixed at the City of Washington, D.C. this seventeenth day of Tebruary, in the year two thousand and nine.

Attast.

20-2

Commissioner

Plant Variety Protection Office Agricultural Marketing Service sotaru of Aariculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

APPLICATION FOR PLANT VAI	RIETY PROTECTION	ON CERTIFICATE	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).								
NAME OF OWNER	2. TEMPORARY DESIGNATION OR 3. VARIETY NAME EXPERIMENTAL NAME										
Pioneer Hi-Bred Internation	XB33G07	RJS33001									
4. ADDRESS (Street and No., or R.F.D. No., City,	5. TELEPHONE (include area code)	Ī	NAME OF TAXABLE PARTY.	FICIAL USE C	NLY						
7300 N.W. 62nd Avenue	(515) 253-2197	PVPO	NUMBER								
P.O. Box 1004	6. FAX (include area code)	∦	200	800	1 1 5	1					
Johnston, IA 50131-1004								"			
		La is Nicospopated and	(515) 253-2288	FILING DATE							
 IF THE OWNER NAMED IS NOT A "PERSON". ORGANIZATION (corporation, partnership, asso 		8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION	2/28/2008							
Corporate		Iowa	May 6, 1926	<u> </u>	T FILING AND	EXAMINATION	LEES.				
10. NAME AND ADDRESS OF OWNER REPRESE	ENTATIVE(S) TO S	SERVE IN THIS APPLICATION. (Firs	t person listed will receive all papers)	E	FILING AND	8 8 Z. O))				
Paul D. Koelling		Cassie J. Prochas	ka	S		128/0					
7300 N.W. 62nd Avenue		7250 N.W. 62nd	Avenue	R E C	CERTIFICAT						
P.O. Box 1004		P.O. Box 552		E	\$768	,00					
Johnston, IA 50131-1004		Johnston, IA 50	131-1000	V E	DATE	6/200	18				
	r			D							
11. TELEPHONE (Include area code)	12. FAX (Includ	e area code) 253-2288	13. E-MAIL paul.koelling@pi	oneer	com						
(515) 253-2197 14. CROP KIND (Common Name)	16. FAMILY NA		18. DOES THE VARIETY CONT	AIN ANY T	RANSGENES?	(OPTIONAL)					
Soybean	Fabace	286	✓YES NO								
15. GENUS AND SPECIES NAME OF CROP		RIETY A FIRST GENERATION HYBR	IF SO, PLEASE GIVE THE APPROVED PETITION TO	ASSIGNED DEREGUI) USDA-APHIS LATE THE GEN	REFERENCE N ETICALLY MOI	IUMBER FO DIFIED PLA	OR THE INT FOR			
Glycine max	☐ YES	XNO	COMMERICALIZATION.	COMMERICALIZATION.							
 CHECK APPROPRIATE BOX FOR EACH ATT. (Follow instructions on reverse) 	ACHMENT SUBMI	TTED	20. DOES THE OWNER SPECI OF CERTIFIED SEED? (Se	FY THAT S	SEED OF THIS '	ARIETY BE S	OLD AS A C	CLASS			
a. X Exhibit A. Origin and Breeding History	of the Variety		<u> </u>	YES (If "yes", answer items 21 and 22 below)							
b. X Exhibit B. Statement of Distinctness	•		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?								
c. X Exhibit C. Objective Description of Var	iety	•		YES NO							
d. X Exhibit D. Additional Description of the	Variety (Optional)	l	IF YES, WHICH CLASSES?	Fou	INDATION [REGISTERED		TIFIED			
e. X Exhibit E. Statement of the Basis of th	e Owner's Owners	hip	22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?								
f. X Exhibit F. Declaration Regarding Depo	sit		YESNO								
g. X Voucher Sample (3,000 viable untreet that tissue culture will be deposited an	ed seeds or, for tui d maintained in an	ber propagatad varialies, verification approved public repository)	IF YES, SPECIFY THE NUM	BER 1,2,3	, etc. FOR EAC	H CLASS.					
g. X Filing and Examination Fee (\$4,382), n States" (Mail to the Plant Variety Protes		reasurer of the United	, –	(If additional explanation is necessary, please use the space indicated on the reverse.)							
23. HAS THE VARIETY (INCLUDING ANY HARVE FROM THIS VARIETY BEEN SOLD, DISPOSE OTHER COUNTRIES?			24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?								
YES V NO			✓ YES NO								
IF YES, YOU MUST PROVIDE THE DATE OF FOR EACH COUNTRY AND THE CIRCUMSTA	IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)										
25. The owners declare that a viable sample of bas for a tuber propagated variety a tissue culture to	ic seed of the varie will be deposited in	ety has been furnished with application is public repository and maintained	on and will be replenished upon request in for the duration of the certificate.	accordance	e with such regu	ations as may	oe applicabl	le, or			
The undersigned owner(s) is(are) the owner of entitled to protection under the provisions of Sec	this sexually reprod	duced or tuber propagated plant varie	ety, and believe(s) that the variety is new, o	listinct, uni	form, and stable	as required in :	Section 42,	and is			
Owner(s) is (are) informed that false represents		•	alties.	•							
SIGNATURE OF OWNER	0		SIGNATURE OF OWNER								
Saul D. Hoell											
MARE (Freder print or type)	NAME (Please print or type)										
Paul D. Koelling	DATE			1							
CAPACITY OR TITLE	CAPACITY OR TITLE	DATE									
Process Improvement Manager	Fe	6.25,2008						····· - = ····			

#200800151

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). NEW: With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your fles. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filling a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office

Telephone: (301) 504-5518 F.

FAX: (301) 504-5291

General E-mail: PVPOmail@usda.gov Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, Seed Regulatory and Testing Branch, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;

(3) evidence of uniformity and stability; and

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
 U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety.

According to the Peperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing date sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parantal status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require afternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To tile a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or cell (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Exhibit A. Origin and Breeding History of the Variety

Soybean Variety RJS33001

Variety RJS33001 evolved from a cross made in the winter of 2000/2001 in Puerto Rico with the following parentage:

Parentage = 93B87/N05402

N05402 = YB32E00/93B72* YB32E00 = A4138/ MO15733

*93B72 is a commercial variety with the Roundup Ready® (40-3-2) gene

Variety RJS33001 is an F3-derived line which was advanced to the F3 generation by modified single-seed descent. The F3 progeny row of RJS33001 was grown in a plant row yield trial in Ohio in the summer of 2002. Subsequently, RJS33001 has undergone five years of extensive testing and purification and has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of yield, phytophthora resistance, frogeye leaf spot tolerance, and resistance to Roundup® branded herbicides; variety RJS33001 was assigned a commercial number.

The purification block was grown in the summer of 2005 in Ohio and 42 sub-lines were harvested. A two (2.0) acre increase was grown in Argentina in 2005/2006. Twenty-three (23) acres of parent seed stock (foundation seed equivalent) were grown in the summer of 2006. Approximately 734 acres of seed stock and production seed were grown in the summer of 2007.

Exhibit B. Statement of Distinctness

Soybean Variety RJS33001

Variety RJS33001 is most similar to Pioneer variety 93M43. Both varieties have white flowers, light tawny pubescence, yellow seed with black hila, tan pod wall, resistance to *Phytophthora megasperma* as governed by the Rps1k gene, and resistance to Roundup branded herbicides. However, RJS33001 and 93M43 have different isozyme profiles as indicated in Table 1 below.

Table 1

Variety	ACO2	ACO4	IDH1	MPI
RJS33001	1	3,1	2	A
93M43	M	1	1	M

Note M = Multiple

According to the Paperwork Reduction Act of 1995, an egency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0561-0055. The time required to complete this information collection is estimated to everage 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE

EXHIBIT

AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY Soybean (Glycine may (L.) Merr.)

	Joy Beatt (Cily Cilic	mux (Es) WOITS							
NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMEN	ITAL DESIGNATION	VARIETY NAME RJS33001						
Pioneer Hi-Bred International, Inc.	XB33G0	7							
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Court	FOR OFFICIAL USE ONLY								
7300 N.W. 62nd Avenue, P.O. Box 1004, Jo	#2000 8 0	0 1 5							
PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varieta Place a zero in the first box (e.g. 0 9 9 or 0 should be based on a minimum of 100 plants. Compara any recognized color standard may be used to determin all questions for your variety; lack of response may dela) when number is either sative data should be determine plant colors; designate sy	99 or less or 9 or less respectivined from varieties entered in the							
A. MORPHOLOGY: Seed Shape: 2 1 = Spherical (LW, L/T, and T/W ratios ≤1.2)		rical-Flattened os> 1.2; L/T ratios ≤ 1.2)							
3 = Elongate (L/W ratios > 1.2; T/W ratios ≤ 1.2)		gate-Flattened s ≥ 1.2; LW ratios ≥ 1.2)	ı						
Seed Coat Color: * 1 1 = Yellow 2 = Green 3 = B	rown 4= Black	5 = Other (Please spec	cify)						
Seed Coat Luster: 1 1 = Dull 2 = Shiny									
Seed Size: * 16.2 grams/100 seeds (rounded to	o the nearest decimal	(00.0))							
Hilum Color:									
* 6 1 = Buff 2 = Yellow 3 = Br	rown 4 = Gray	5 = Imperfect Black	6 = Black						

7 = Other (Please specify)

A. MORPHOLOGY: (continued)

Cotyledon Color:

* 1 1 = Yellow

2 = Green

Seed Protein Peroxidase Activity:

* 2 1 = Low

2 = High

Hypocotyl Color:

* 1 1 = Green

2 = Green with Bronze

3 = Light Purple below Cotyledons 4 = Dark Purple extending to unifoliolate leaves ('Hodgson',

('Evans' or 'Davis') Band below cotyledons ('Woodworth' or 'Tracy')

('Beeson' or 'Pickett 71') 'Coker', or 'Hampton 266A')

Leaf Shape:

3

1 = Lanceolate

2 = Oval

3 = Ovate

4 = Other (Please specify)

Flower Color:

* 1 1 = White

2 = Purple

3 = White with a Purple Throat

Pod Color:

1 = Tan 1

2 = Brown

3 = Black

Pubescence Color:

* 3 1 = Gray

2 = Brown (Tawny)

3 = Light Tawny

Plant Habit:

* 3 | 1 = Determinate

2 = Semi-determinate

3 = Indeterminate

4 = Intermediate

Maturity Group:

1 = 000

2 = 007 = IV

3 = 0

4 = 1

5 = 11

6 = 11111 = VIII 12 = 1

8 = V13 = X

9 = VI14 = XI

10 = VII15 = XII

Maturity Subgroup:

Please enter a value from 0-9

B. DISEASE REACTIONS: 0 = Not Tested

1 = Susceptible

2 = Resistant

3 = Tolerant

NOTE: Failure to supply information for at least 5 of the following disease reactions will result in significant delay in the examination process. Items denoted by and asterisk are the disease reactions most useful in the examination process.

Bacterial

- Bacterial Pustule (Xanthomonas campestris pv. glycines (Nakano) Dye)
- Bacterial Blight (Pseudomonas syringae pv. glycinea (Coerper) Young, Dye, & Wilkie)
- Wildfire Blight (Pseudomonas syringae pv. tabaci (Wolf & Foster) Young, Dye, & Wilkie)

Fungal

- 1 Brown Spot (Septoria glycines Hemmi)
- 2 Frogeye Leaf Spot (Cercospora sojina Hara)
- 0 race 1
- 0 | race 3
- 0 race 5
- 0 | race 7

- race 2
- race 4
- race 6
- Important: Any other races tested (Please specify)

В.	DIS	SEASE RE	AC1	TIONS: (cor	rtinu	ed)							
	0	Target Spot	(Cor	rynespora cas	siico	la (Berk. & Cu	rt.) V	Vei)					
	0	Downy Mild	ew (F	⊃eronspora tr	ifolioi	rum var. manc	huric	ca (Naum.) Syd	d. Ex	(Gäum)			
	0	Powdery Mi	ldew	(Microsphae	ra difi	fusa Cke. & Pl	c.)						
	0	Brown Stem	Rot	(Phialophora	greg	ata (Allington	& CI	namberlain) W.	. Ga	ms.)			
*	0	Stem Canke	er (<i>Di</i>	aporthe phas	eolor	rum (Cke. & El	.) S	acc. var. cauliv	ora	Athow & Cald	well)		
*	1	Pod and Ste	m Bl	ight (<i>Diaporti</i>	ne ph	aseolorum (Cl	ке. 8	Ell.) (Sacc. va	ar. so	ojae (Lehman)) Weł	nm.)	
	0	Purple Seed	l Stai	in (C <i>ercospoi</i>	a kik	<i>uchii</i> (T. Matsu	ı. & '	Tomoyasu) Ga	ırder	ner)			
	1	Rhizoctonia	Root	t Rot (<i>Rhizo</i> c	tonia	solani Kühn)	•						
	0	Asian Soybe	ean F	Rust (<i>Phakos</i> į	oora j	bachyrhizi Syc	W. (a.k.a. <i>Phakosp</i>	ora	<i>pachyrhizia</i> S	ydw.))	
	0	Other (F	Pleas	e specify)									
Spe	cify	the gene(s) o	odin	g for reaction	to Pi	nytophthora Re	oot F	₹ot.					
		Rps1 (Williams)	0	Rps1-c (Arksoy)	2	Rps1-k (Kingwa)	0	Rps3-b (Pl 172.901)	0	Rps5 (Pl 91.160)	0 F	R <i>ps?</i> Nezumisaya, OX939, C	OX940
	0	Rps1-a (Mukden)	0	<i>Rps1-d</i> (Pl 103.091)	0	Rps2 (CNS)	0	Rps3-c (Pl 340.046)	0	Rps6 (Altona)			
	0	<i>Rps1-b</i> (Sanga)	0	<i>Rps1-e</i> (Pl 172.907)	0	Rps3-a (PI 171.442)	0	Rps4 (Pl 86.050)	0	Rps7 (Harosoy)			
*Ph	ytop	hthora Root i	Rot (/	Phytophthora	soja	e (Kaufmann 8	λ Ge	erdemann))					
		race 1	0	race 9	0	race 17	0	race 25	0	race 32	0	race 39	
	0	гасе 2	0	гасе 10	0	race 18	0	race 26	0	race 33	0	race 40	
	0	race 3	0	race 11	0	race 19	0	race 27	0	race 34	0	race 41	
	0	race 4	0	race 12	0	race 20	0	race 28	0	race 35	0	race 42	
	2	race 5	0	race 13	0	race 21	0	race 29	0	race 36	0	race 43	
	0	race 6	0	race 14	0	race 22	0	race 30	0	race 37	0	race 44	
	2	race 7	0	race 15	0	race 23	0	race 31	0	race 38	0	race 45	
	0	race 8	0	race 16	0	race 24	0	Important: An	y ot	her races test	ed (F	Please specify)	
	1	Dud Blight /T	'obac	co Ringspot	\/iruc	۸							
				ean Yellow M		•							
*			•	Cowpea Chlo		•							
		•	•	Pod Mottle V		•							
*		•		bean Mosaic	· ·								
Ne	mato		(,			7							
*So\	/bea	in Cvst Nema	itode	(Heterodera	alvei	nes Ichinohe)							
. 503		race 1		ace 4		:e 9							
.		_			rac								
· [race 3	_	_	=		her	races tested (F	Pleas	se specify)			

3.	DI	SEASE REACTIONS: (continued)
	0	Lance Nematode (Hoplolaimus columbus Sher)
	0	Southern Root Knot Nematode (<i>Meliodogyne incognita</i> (Kofoid & White) Chitwood)
	0	Northern Root Knot Nematode (<i>Meliodogyne hapla</i> Chitwood)
	0	Peanut Root Knot Nematode (Meliodogyne arenaria (Neal) Chitwood)
	0	Reniform Nematode (Rotylenchus reniformus Linwood & Olivera)
	0	Javanese Nematode (<i>Meliodogyne javanica</i> (Treub) Chitwood)
	0	Important: Other Nematodes tested (Please specify)
· •	PH	IYSIOLOGICAL RESPONSES: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Iron Chlorosis on Calcareous Soil
	0	Phosphorus 0 Important: Other (Please specify)
	0	Boron
	0	Aluminum
	0	Salt
	0	Drought
).	INS	SECT REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Mexican Bean Beetle (Epilachna varivestis Mulsant)
		Soybean Aphid (<i>Aphis glycines</i> Matsamura)
		Potato Leaf Hopper (<i>Empo</i> asca fabae (Harris))
	一	Important: Other (Please specify)
	HE	RBICIDE REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Metribuzin
	0	Bentazone
	1	Sulfonylurea
*	2	Glyphosate
	1	Glufosinate
	0	Pendimethalin
	0	Important: Other (Please specify)
	U	

F. TRANSGENIC COMPOSITION:

Has the development of the subject variety	included the insertion	of genetic material from a	an organism other tha	n a soybean,
or, the removal of genetic material from the			-	

If yes, please complete the following information requests*. Use additional pages if necessary.

✓ Yes

No

- 1. Please state the vector's name:
- 2. Please state the vector components:
- 3. Please describe the genetic material successfully transferred into the subject variety:
- 4. Please describe the insertion protocol:
- * A literature citation(s) explaining the four information requests above may be an acceptable alternative to completion of the "Transgenic Composition" portion of this form.

G. BIOCHEMICAL MARKERS:

Please describe any additional genetic and/or biochemical information which you believe will be helpful in further describing the subject variety here (e.g., Single Nucleotide Polymorphisms (SNPs), Simple Sequence Repeats (SSRs), Restriction Fragment Length Polymorphisms (RFLPs), Isozyme characterization, etc.). Use additional pages if necessary.

H. STATISTICAL DATA FOR APPLICATION AND CITED MOST SIMILAR VARIETIES:

Please provide paired comparison data and appropriate statistical test (e.g. LSD. Std. error, ANOVA, Mann-Whitney *U*-test or Kruskal-Wallis Test, etc.) value (95 or > probability level).

Variety	No. of days Maturity	Plant height (cm)	% Linoleic acid	% Oleic acid	% Linolenic acid	% Other fatty acids (specify)	% Total oil	% Protein (Plant dried down to%)
Application Variety Year/Location 1								
Year/Location 2								
Cited Most Similar Variety Year/Location 1								
Year/Location 2 LSD .05								

I. COMMENTS:

Number 1:

The Transgenic Composition section is fully addressed in the following publication. Specific details of this vector components and insert elements are summarized in Figure 1 and Table 1 on page 1453. Padgett, S.R. et al. Development, Identification, and Characterization of a Glyphosate-Tolerant Soybean Line. 1995. Crop Science. 35:1451-1461.

Number 2:

RJS33001 is rated as resistant to frogeye leaf spot. On a scale of one to nine with one being fully susceptible, and nine being complete resistance; RJS33001 is rated nine.

Exhibit D. Additional Description of the Variety

Soybean Variety RJS33001

In Exhibit C we have identified variety RJS33001 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety RJS33001 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider RJS33001 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety RJS33001 is a mid to early Group 3 variety. If Group 3 varieties are divided into tenths, the relative maturity of RJS33001 is 3.3.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Peperwork Reduction Act of 1995, an egency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is observed to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in ell its programs and activities on the basis of race, color, national origin, gender, religion, ege, disability, sexual crientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.

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According to the Peperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing instructions, searching existing data sources, gethering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT F DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S) Pioneer Hi-Bred International, Inc.	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 7300 N.W. 62nd Avenue	TEMPORARY OR EXPERIMENTAL DESIGNATION XB33G07			
	P.O. Box 1004 Johnston, IA 50131-1004	VARIE RJS33001			
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY			
Paul D. Koelling Cassie J. Prochaska	7300 N.W. 62nd Avenue P.O. Box 1004 Johnston, IA 50131-1004	#200800151			

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Paul D. Hoellary Signature

Feb. 25, 2008 Date